

Appendix DD



John Burcham

HARRF Superintendent

1521 South Hale Avenue, Escondido, CA 92029

Phone: 760-839-6273 Fax: 760-738-5168

2005 MAY 26 5:12 PM

May 26, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of April 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

John Burcham
HARRF Superintendent

Attached: April 2005 Monthly Reports

SELF- MONITORING REPORT

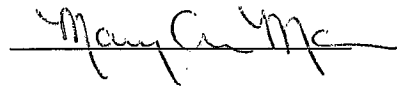
APRIL 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in dark ink, appearing to read "Mary Ann Mann", written over a horizontal line.

Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

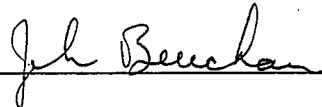
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR APRIL 2005 REPORT DUE MAY 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

One violation occurred in the month of April. Manganese was exceeded daily maximum value of 0.06 mg/l

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

The cause of manganese exceeded of daily maximum is still unknown. We suspect high manganese discharge from the Escondido-Vista water treatment plant residuals, when using local raw water which has contains high level manganese. We have sent samples of water treatment plant discharge, side stream sample from DAF subnate flow and polymer use at HARRF to determine manganese level.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : APRIL 2005

REPORT DUE : MAY 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY Van Wipley

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
4/1/2005	*	*	*
2	*	*	*
3	*	*	*
4	0.58	4.2	1.9
5	0.87	3.8	1.8
6	0.84	4.2	1.6
7	*	*	*
8	*	*	*
9	*	*	*
10	*	*	*
11	1.02	6.3	1.4
12	0.93	10.9	1.4
13	0.86	10.1	1.4
14	0.23	9.7	1.2
15	*	*	*
16	*	*	*
17	*	*	*
18	1.28	4.5	1.5
19	0.71	4.8	1.6
20	1.21	7.1	1.5
21	0.38	6.2	1.2
22	0.59	4.0	1.2
23	*	*	*
24	0.71	7.0	1.5
25	0.16	5.3	1.4
26	*	*	*
27	0.87	10.4	1.6
28	0.77	8.6	1.6
29	0.16	5.7	1.3
30	*	*	*
Average	0.7	6.6	1.5
Maximum	1.3	10.9	1.9
Minimum	0.2	3.8	1.2

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : APRIL 2005

REPORT DUE : MAY 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Lipton

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Reqd.	23	2
4/1/2005	*	*
2	*	*
3	*	*
4	< 2	< 2
5	< 2	< 2
6	< 2	< 2
7	*	*
8	*	*
9	*	*
10	*	*
11	< 2	< 2
12	< 2	< 2
13	< 2	< 2
14	< 2	< 2
15	*	*
16	*	*
17	*	*
18	< 2	< 2
19	< 2	< 2
20	< 2	< 2
21	< 2	< 2
22	< 2	< 2
23	*	*
24	< 2	< 2
25	< 2	< 2
26	*	*
27	< 2	< 2
28	170	< 2
29	2	< 2
30	*	*
Median	< 2	< 2
Maximum	170	< 2
Minimum	< 2	< 2

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : APRIL 2005

REPORT DUE : MAY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff & APCL

SIGNED UNDER PENALTY OF PERJURY

Van Viperhant

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	Daily Maximum	Monthly Average	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	4/11/05	891	872	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	4/11/05	1.05	1.05	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	4/11/05	192	192	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	4/11/05	207	207	mg/l
Manganese	0.05	0.06	200.7	0.005	1.7E-04	4/11/2005 4/25/2005	0.13	0.10	mg/l
Boron	0.8	--	200.7	0.300	0.038	4/11/05	0.790	0.790	mg/l
Iron	0.3	0.4	200.7	0.050	0.0054	4/11/05	0.116	0.116	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	4/11/05	4.53	4.53	--
Percent Sodium	60	65	Calculation	--	--	4/11/05	52.4	52.4	%

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : APRIL 2005

REPORT DUE : MAY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY APCL

SIGNED UNDER PENALTY OF PERJURY

Van Ciptent

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	PQL	MDL		
								Daily Max. Result	
Sample Date								4/11/2005	
Arsenic	ug/l	1100	6400	17000	200.7	5	1.2	<	5.0
Cadmium	ug/l	220	880	2200	200.7	2	0.24	<	2
Chromium	ug/l	440	1800	4400	200.7	5	2.1	J	1.3
Copper	ug/l	220	2200	6200	200.7	10	3.4	J	8
Lead	ug/l	440	1800	4400	200.7	5	1	<	5
Mercury	ug/l	8.7	35	88	245.1	1	0.025	J	0.2
Selenium	ug/l	3300	13000	33000	200.7	10	3.3	J	5.5
Silver	ug/l	64	360	960	200.7	10	0.66	<	10
Zinc	ug/l	2700	16000	42000	200.7	10	2.8		64.9
Aluminum	ug/l	--	--	--	200.7	100	20		176
Barium	ug/l	--	--	--	200.7	10	1.3		39.2

J: Report between PQL and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : APRIL 2005

REPORT DUE : MAY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Aiptegh

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
4/1/2005					
2					
3					
4	7.7	1518	6.3	5.4	4.1
5					
6					
7					
8					
9					
10					
11	7.6	1468	4.7	4.4	3.0
12					
13					
14					
15					
16					
17					
18	7.6	1506	4.3	3.9	< 3.0
19					
20					
21					
22					
23					
24					
25					
26					
27	7.4	1514	9.6	9.5	< 3.0
28					
29					
30					
31					
Average	7.6	1502	6.2	5.8	< 3.3
Maximum	7.7	1518	9.6	9.5	4.1
Minimum	7.4	1468	4.3	3.9	< 3.0



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

June 24, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of May 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in dark ink, appearing to read "John Burcham". The signature is fluid and cursive, with the first name "John" being more prominent than the last name "Burcham".

John Burcham
HARRF Superintendent

Attached: May 2005 Monthly Reports

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2005 JUN 27 A 2:53

SELF-MONITORING REPORT

MAY 2005

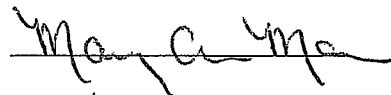
CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2005 JUN 27 A 2:53

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR MAY 2005 REPORT DUE JUNE 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY *J. L. Beuchan*

Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

One violation occurred in the month of May. Manganese was exceeded daily maximum value of 0.06 mg/l

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

HARRF began testing water treatment plant discharge, a side stream sample from DAF subnate flow and polymer used at HARRF to search for a possible source of manganese. The results indicated that the source of manganese came from the Escondido-Vista water treatment plant local raw water sediment (Lake Wohlford). We are exploring options to oxidize the manganese and precipitate it out of the flow in the sand filters.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70 REPORT FREQUENCY MONTHLY

REPORT FOR : MAY 2005

REPORT DUE : JUNE 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY Vance Wright

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Average	Effluent Average
5/1/2005	0.58	4.8	1.4
2	0.25	3.8	1.4
3	0.63	4.3	1.4
4	0.11	4.8	1.6
5	*	*	*
6	0.78	5.1	1.6
7	*	*	*
8	0.77	5.4	1.0
9	0.23	4.5	1.2
10	*	*	*
11	1.04	6.2	1.2
12	0.88	6.4	1.3
13	0.19	5.4	1.2
14	*	*	*
15	0.97	4.6	1.4
16	0.25	5.5	1.3
17	*	*	*
18	*	*	*
19	1.45	7.7	1.4
20	0.39	6.1	1.2
21	*	*	*
22	1.25	3.8	1.5
23	0.09	3.7	1.4
24	1.03	4.7	1.5
25	0.44	4.8	1.6
26	*	*	*
27	0.97	5.3	1.9
28	*	*	*
29	1.22	3.7	1.4
30	1.33	3.6	1.4
31	0.15	3.2	1.2
Average	0.68	4.9	1.4
Maximum	1.45	7.7	1.9
Minimum	0.09	3.2	1.0

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : MAY 2005

REPORT DUE : JUNE 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY Van Hiptert

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Reqd.	23	2
5/1/2005	< 2	< 2
2	< 2	< 2
3	2	< 2
4	< 2	< 2
5	*	*
6	< 2	< 2
7	*	*
8	< 2	< 2
9	< 2	< 2
10	*	*
11	< 2	< 2
12	< 2	< 2
13	8	< 2
14	*	*
15	< 2	< 2
16	< 2	< 2
17	*	*
18	*	*
19	< 2	< 2
20	< 2	< 2
21	*	*
22	< 2	< 2
23	< 2	< 2
24	< 2	< 2
25	< 2	< 2
26	*	*
27	< 2	< 2
28	*	*
29	< 2	< 2
30	< 2	< 2
31	< 2	< 2
Median	< 2	< 2
Maximum	8	< 2
Minimum	< 2	< 2

* No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : MAY 2005

REPORT DUE : JUNE 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff & APCL

SIGNED UNDER PENALTY OF PERJURY Van Liptrot

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	Daily Maximum	Monthly Average	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	5/1/05 5/11/05 5/15/05 5/24/05 5/29/05	985	926	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	5/2/05	0.903	0.903	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	5/2/05	187	187	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	5/2/05	213	213	mg/l
Manganese	0.05	0.06	200.7	0.005	1.7E-04	5/2/05	0.127	0.127	mg/l
Boron	0.8	--	200.7	0.300	0.038	5/2/05	0.795	0.795	mg/l
Iron	0.3	0.4	200.7	0.050	0.0054	5/2/05	0.222	0.222	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	5/2/05	4.23	4.23	--
Percent Sodium	60	65	Calculation	--	--	5/2/05	51.6	51.6	%

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : MAY 2005

REPORT DUE : JUNE 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY APCL

SIGNED UNDER PENALTY OF PERJURY Van Lipton

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	PQL	MDL	Daily Max. Result
Sample Date								5/2/2005
Arsenic	ug/l	1100	6400	17000	200.7	5	1.2	< 5.0
Cadmium	ug/l	220	880	2200	200.7	2	0.24	< 2
Chromium	ug/l	440	1800	4400	200.7	5	2.1	< 5
Copper	ug/l	220	2200	6200	200.7	10	3.4	14.8
Lead	ug/l	440	1800	4400	200.7	5	1	< 5
Mercury	ug/l	8.7	35	88	245.1	1	0.025	J 0.28
Selenium	ug/l	3300	13000	33000	200.7	10	3.3	< 10
Silver	ug/l	64	360	960	200.7	10	0.66	< 10
Zinc	ug/l	2700	16000	42000	200.7	10	2.8	74.0
Aluminum	ug/l	--	--	--	200.7	100	20	276
Barium	ug/l	--	--	--	200.7	10	1.3	42.7

J: Report between PQL and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : MAY 2005

REPORT DUE : JUNE 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vain Ciptert

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
5/1/2005	7.60	1460	2.5	2.2	< 3
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	7.5	1497	2.5	2.3	< 3.0
12					
13					
14					
15	7.8	1464	2.7	2.3	< 3
16					
17					
18					
19					
20					
21					
22					
23					
24	7.6	1482	2.4	2.1	6.9
25					
26					
27					
28					
29	7.8	1470	1.8	1.8	
30					
31					
Average	7.7	1475	2.4	2.1	< 4.0
Maximum	7.8	1497	2.7	2.3	6.9
Minimum	7.5	1460	1.8	1.8	< 3.0



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

WATER QUALITY
CONTROL BOARD

July 21, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of June 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script that reads "John Burcham".

John Burcham
HARRF Superintendent

Attached: June 2005 Monthly Reports

2005 JUL 25 P 1:52

SELF-MONITORING REPORT

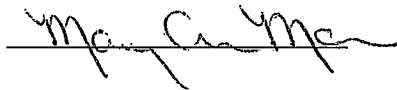
JUNE 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

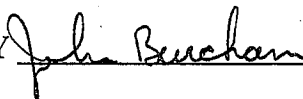
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR JUNE 2005 REPORT DUE JULY 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

One violation occurred in the month of JUNE. Manganese was exceeded daily maximum value of 0.06 mg/l

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

Our search for the cause of high manganese in the reclaimed water (see attached A) indicated that the source is the Escondido-Vista Water Treatment Plant (WTP) local raw water sediment (Lake Wohlford). Ferrous Chloride, which commonly contains high levels of manganese, is used as a coagulant at the WTP in Lake Wohlford treatment. It is important to note that from June 4-12 the WTP delivered a blend containing less water from Lake Wohlford and then from June 13-24 completely shut down the Lake Wohlford inlet for maintenance. During the June 4-24 time period manganese levels returned to the acceptable discharge limit, providing further proof that the Lake Wohlford source water is delivering high levels of manganese to HARRF and causing the reclaimed to violate the manganese limits. Lake Wohlford is a necessary water source for the WTP so we are currently developing methods to oxidize the manganese and precipitate it out of the reclaimed water during the sand filter treatment. At this time results for the manganese oxidation and precipitation method are not yet available for review. We are also searching for substitute coagulants that may reduce manganese levels for future usage.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70 REPORT FREQUENCY MONTHLY

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY

Van iptel

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
6/1/2005	*	*	*
2	1.17	3.0	1.7
3	1.31	4.1	1.8
4	0.22	4.1	1.8
5	*	*	*
6	1.22	2.9	1.4
7	0.70	3.0	1.3
8	*	*	*
9	1.07	5.1	1.6
10	1.10	7.7	1.8
11	*	*	*
12	0.93	7.3	1.5
13	1.19	5.3	1.4
14	0.34	4.8	1.1
15	*	*	*
16	0.87	3.1	1.6
17	0.32	3.3	1.8
18	*	*	*
19	*	*	*
20	1.03	4.3	0.9
21	1.39	4.6	0.9
22	0.06	4.5	0.9
23	*	*	*
24	1.38	3.7	1.2
25	*	*	*
26	0.87	4.1	1.0
27	0.72	3.8	0.9
28	0.21	3.8	1.1
29	*	*	*
30	0.76	4.8	1.7
Average	0.84	4.4	1.4
Maximum	1.39	7.7	1.8
Minimum	0.06	2.9	0.9

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY Van Hiptest

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Reqd.	23	2
6/1/2005	*	*
2	< 2	< 2
3	< 2	< 2
4	< 2	< 2
5	*	*
6	< 2	< 2
7	< 2	< 2
8	*	*
9	< 2	< 2
10	< 2	< 2
11	*	*
12	< 2	< 2
13	< 2	< 2
14	< 2	< 2
15	*	*
16	< 2	< 2
17	< 2	< 2
18	*	*
19	*	*
20	< 2	< 2
21	< 2	< 2
22	< 2	< 2
23	*	*
24	< 2	< 2
25	*	*
26	< 2	< 2
27	< 2	< 2
28	< 2	< 2
29	*	*
30	< 2	< 2
Median	< 2	< 2
Maximum	2	< 2
Minimum	< 2	< 2

* No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff & APCL

SIGNED UNDER PENALTY OF PERJURY Van Wpelt

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	Daily Maximum	Monthly Average	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	6/21/05 6/6/05 6/12/05 6/20/05 6/26/05	920	913	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	6/6/05	1.00	1.00	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	6/6/05	198	198	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	6/6/05	244	244	mg/l
Manganese	0.05	0.06	200.7	0.01	9.0E-06	6/05	0.089	0.045	mg/l
Boron	0.8	--	200.7	0.50	0.00074	6/05	0.819	0.694	mg/l
Iron	0.3	0.4	200.7	0.50	0.00037	6/05	J 0.057	J 0.051	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	6/6/05	4.95	4.95	--
Percent Sodium	60	65	Calculation	--	--	6/6/05	55.7	55.7	%

Note: J = value between ML & MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70 REPORT FREQUENCY MONTHLY

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Wipert

	Method	ML	MDL	Manganese	Unit
6/2/2005	200.7	0.01	0.000009	0.0789	mg/l
6/6/2005	200.7	0.01	0.000009	0.0584	mg/l
6/7/2005	200.7	0.01	0.000009	0.0413	mg/l
6/9/2005	200.7	0.01	0.000009	0.0335	mg/l
6/10/2005	200.7	0.01	0.000009	0.0207	mg/l
6/12/2005	200.7	0.01	0.000009	0.0228	mg/l
6/13/2005	200.7	0.01	0.000009	0.0288	mg/l
6/14/2005	200.7	0.01	0.000009	0.0289	mg/l
6/17/2005	200.7	0.01	0.000009	0.0469	mg/l
6/20/2005	200.7	0.01	0.000009	0.0486	mg/l
6/26/2005	200.7	0.01	0.000009	0.0890	mg/l
Average				0.0453	mg/l
Maximum				0.0890	mg/l
Minimum				0.0207	mg/l

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY APCL

SIGNED UNDER PENALTY OF PERJURY Van Lipton

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	PQL	MDL	Daily Max. Result	
Sample Date								6/6/2005	
Arsenic	ug/l	1100	6400	17000	200.7	10	3.69	<	10.0
Cadmium	ug/l	220	880	2200	200.7	10	0.126	<	10
Chromium	ug/l	440	1800	4400	200.7	10	0.364	<	10
Copper	ug/l	220	2200	6200	200.7	10	0.138	J	4.54
Lead	ug/l	440	1800	4400	200.7	5	1.62	<	5
Mercury	ug/l	8.7	35	88	245.1	1	0.025	J	0.39
Selenium	ug/l	3300	13000	33000	200.7	10	1.2	J	1
Silver	ug/l	64	360	960	200.7	10	0.116	J	1
Zinc	ug/l	2700	16000	42000	200.7	10	0.315		34.9
Aluminum	ug/l	--	--	--	200.7	500	1.85	J	180
Barium	ug/l	--	--	--	200.7	10	0.006		46.4

J: Report between PQL and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR :JUNE 2005

REPORT DUE : JULY 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY _____

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
6/1/2005					
2	7.8	1464	2.8	2.4	< 3
3					
4					
5					
6	7.8	1496	3.8	3.0	< 3
7					
8					
9					
10					
11					
12	7.9	1524	3.6	3	< 3
13					
14					
15					
16					
17					
18					
19					
20	7.8	1566	5.0	4.7	6.5
21					
22					
23					
24					
25					
26	7.8	1453	3.5	2.9	< 3
27					
28					
29					
30					
Average	7.8	1501	3.7	3.2	< 3.7
Maximum	7.9	1566	5.0	4.7	6.5
Minimum	7.8	1453	2.8	2.4	< 3.0

ATTACHMENT A

Applied P & CH Laboratories

13760 Magnolia Ave., Chino, CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
City of Escondido
Attention: Vasana Vipatapat
1521 S.Hale Ave
Escondido CA 92029
Tel: (760)839-6284 Fax: (760)738-5168

Service ID #: 801-053036 Received: 06/15/05
Collected by: Extracted: N/A
Collected on: 06/15/05 Tested: 06/22/05
Reported: 06/23/05
Sample Description: Brown Iron Chloride Solution.
Project Description: WTP-Ferrous Chloride

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result
					050615-0176 05-03036-1
Dilution Factor					100
Arsenic	200.7	µg/L	5	1.3	7,290
Dilution Factor					5
Boron	200.7	µg/L	200	55	<1000
Dilution Factor					100
Cadmium	200.7	µg/L	2	0.47	<200
Chromium	200.7	µg/L	5	1.3	19,900
Copper	200.7	µg/L	10	0.68	28,000
Lead	200.7	µg/L	5	1.3	3,080
Manganese	200.7	µg/L	5	0.62	664,000
Nickel	200.7	µg/L	5	0.86	59,100
Silver	200.7	µg/L	10	0.99	<1000
Zinc	200.7	µg/L	10	2.4	40,400

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dennis Lau

Laboratory Director

Applied P & CH Laboratories

Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL QA/QC Report

Submitted to:

City of Escondido

Attention: Vasana Vipatapat

1521 S.Hale Ave

Escondido, CA 92029

Tel: (760)839-6284 Fax: (760)738-5168

Service ID #: 801-053036

Collected by:

Collected on: 06/15/05

Sample description:

Brown Iron Chloride Solution.

Project: WTP-Ferrous Chloride

Received: 06/15/05

Tested: 06/22/05

Reported: 06/29/05

Analysis of Brown Iron Chloride Solution

801-053036QC


Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	%Diff
METAL Analysis in Water												
Arsenic	05M1619	1.00	100	N.D.	mg/L	0.200	105	125	121	3	75-125	20
Cadmium	05M1619	2.00	100	N.D.	mg/L	0.200	103	114	111	3	75-125	20
Chromium	05M1619	1.00	100	N.D.	mg/L	0.400	103	112	109	2	75-125	20
Copper	05M1619	4.00	101	N.D.	mg/L	0.500	103	114	112	2	75-125	20
Lead	05M1619	1.00	99	N.D.	mg/L	0.400	103	116	113	3	75-125	20
Manganese	05M1619	4.00	100	N.D.	mg/L	0.500	108	118	116	2	75-125	20
Nickel	05M1619	4.00	100	N.D.	mg/L	0.500	104	117	114	2	75-125	20
Silver	05M1619	2.00	100	N.D.	mg/L	0.400	103	114	111	2	75-125	20
Zinc	05M1619	4.00	100	N.D.	mg/L	0.400	105	117	115	2	75-125	20
Boron	05M1619	4.00	99	N.D.	mg/L	2.00	94	96	100	4	75-125	20

*: LCS/LCSD is used.

Notation: ICV - Initial Calibration Verification
CCV - Continuation Calibration Verification
LCS - Lab Control Spike
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ICS - Interference Check Standard
MD - Matrix Duplicate
N.D. - Not detected or less than PQL

CCB - Continuation Calibration Blank
M-blank - Method Blank
SP Level - Spike Level
%Rec - Recovery Percent
%RPD - Relative Percent Differences
%Diff - Control Limit for %RPD
ICP-SD - ICP Serial Dilution
N.A. - Not Applicable

Respectfully submitted,


Regina Kirakozova,
Associate QA/QC Director
Applied P & CH Laboratories

Applied P & CH Laboratories

13760 Magnolia Ave., Chino, CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:

City of Escondido

Attention: Vasana Vipatapat

1521 S.Hale Ave

Escondido CA 92029

Tel: (760)839-6284 Fax: (760)738-5168

Service ID #: 801-052716

Collected by:

Collected on: 05/12/05

Received: 05/12/05

Extracted: N/A

Tested: 05/23/05

Reported: 06/02/05

Sample Description: Polymer and Water

Project Description: 70047 Manganese Source Study

Analysis of Water and Polymer Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result		
					0505120146 05-02716-1	050512014703 05-02716-4	050512014704 05-02716-5
Dilution Factor					2	1	1
Manganese	6010B	µg/L	5	0.43	26,600	19.7	178

II . Analysis of Polymer Samples

Component Analyzed	Method	Unit	PQL	MDL	Analysis Result	
					050512014701 05-02716-2	050512014702 05-02716-3
Dilution Factor					1	0.91
Manganese	6010B	mg/kg	0.5	0.013	1.4	0.45J

PQL: Practical Quantitation Limit.

MDL: Method Detection Limit.

CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,


Dominic Lau

Laboratory Director

Applied P & CH Laboratories

Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

APCL QA/QC Report

Submitted to:

City of Escondido

Attention: Vasana Vipatapat

1521 S.Hale Ave

Escondido, CA 92029

Tel: (760)839-6284 Fax: (760)738-5168

Service ID #: 801-052716

Collected by:

Collected on: 05/12/05

Sample description:

Polymer and Water

Project: Manganese Source Study /70047

Received: 05/12/05

Tested: 05/23/05

Reported: 06/15/05

Analysis of Polymer and Water

801-052716QC

Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Limit %Diff
----------------	---------------------	---------------	-------------	---------	---------------	----------	-------------	------------	-------------	----------------	-----------------------	----------------

METAL Analysis in Water

Manganese	05M1510	4.00	99	N.D.	mg/L	0.500	106	106*	105*	1	80-120	20
-----------	---------	------	----	------	------	-------	-----	------	------	---	--------	----

Component Name	Analysis Batch #	ICV (mg/L)	ICV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Limit %Diff
----------------	---------------------	---------------	-------------	---------	---------------	----------	-------------	------------	-------------	----------------	-----------------------	----------------

METAL Analysis in Soil

Manganese	05M1511	4.00	99	N.D.	mg/kg	25.0	103	103*	105*	2	80-120	20
-----------	---------	------	----	------	-------	------	-----	------	------	---	--------	----

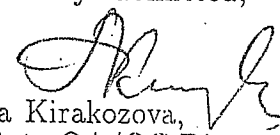
*: LCS/LCSD is used.

Notation:

ICV - Initial Calibration Verification
CCV - Continuation Calibration Verification
LCS - Lab Control Spike
MS - Matrix Spike
MSD - Matrix Spike Duplicate
ICS - Interference Check Standard
MD - Matrix Duplicate
N.D. - Not detected or less than PQL

CCB - Continuation Calibration Blank
M-blank - Method Blank
SP Level - Spike Level
%Rec - Recovery Percent
%RPD - Relative Percent Differences
%Diff - Control Limit for %RPD
ICP-SD - ICP Serial Dilution
N.A. - Not Applicable

Respectfully submitted,


Regina Kirakozova,
Associate QA/QC Director
Applied P & CH Laboratories



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

August 18, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

2005 AUG 19 P 1:42
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

Subject: Submittal of July 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script, appearing to read "John Burcham".

John Burcham
HARRF Superintendent

Attached: July 2005 Monthly Reports

SELF- MONITORING REPORT

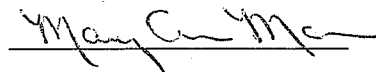
JULY 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in cursive script, appearing to read "Mary Ann Mann", written over a horizontal line.

Mary Ann Mann
Utilities Manager

SELF-MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

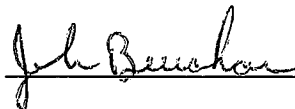
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR JULY 2005 REPORT DUE JULY 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

One violation occurred in the month of July. Manganese was exceeded daily maximum value of 0.06 mg/l

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

As from last months discussion, the manganese oxidization and precipitation of the Manganese in the recycled water is not performing as expected due to lack of detention time prior to the sand filters. Water Treatment Plant staff is continuing to pursue alternate chemical(s) (Ferric Sulfate) for use as a coagulant.

The City is preparing a letter report on the manganese issue for you review and direction.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : JULY 2005

REPORT DUE : AUGUST 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY

Vasanthipati

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
7/1/2005	1.43	5.7	1.5
2	0.31	4.7	1.2
3	*	*	*
4	*	*	*
5	0.45	5.5	1.5
6	1.32	4.7	1.4
7	1.45	3.7	1.5
8	0.62	3.2	1.8
9	0.05	2.9	1.7
10	*	*	*
11	1.39	3.9	1.5
12	1.44	4.2	1.6
13	0.12	4.1	1.6
14	0.87	4.0	1.5
15	0.82	4.0	1.4
16	0.12	4.6	1.6
17	*	*	*
18	0.83	3.1	1.4
19	1.44	3.1	1.3
20	0.06	3.1	1.3
21	0.95	2.6	1.1
22	0.69	2.4	1.0
23	0.02	2.2	1.0
24	1.19	3.4	1.1
25	0.41	3.8	1.1
26	1.05	2.6	1.3
27	0.94	2.4	1.1
28	0.84	2.7	1.2
29	0.36	7.9	1.2
30	*	*	*
31	1.18	3.5	1.3
Average	0.78	3.8	1.4
Maximum	1.45	7.9	1.8
Minimum	0.02	2.2	1.0

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : JULY 2005

REPORT DUE : AUGUST 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Viperant

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Regt.	23	2
7/1/2005	< 2	< 2
2	< 2	< 2
3		
4		
5	< 2	< 2
6	< 2	< 2
7	< 2	< 2
8	< 2	< 2
9	< 2	< 2
10		
11	< 2	< 2
12	< 2	< 2
13	< 2	< 2
14	< 2	< 2
15	< 2	< 2
16	< 2	< 2
17		
18	< 2	< 2
19	< 2	< 2
20	< 2	< 2
21	< 2	< 2
22	< 2	< 2
23	< 2	< 2
24	< 2	< 2
25	< 2	< 2
26	< 2	< 2
27	< 2	< 2
28	< 2	< 2
29	< 2	< 2
30		
31	< 2	
Median	< 2	< 2
Maximum	2	< 2
Minimum	< 2	< 2

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : JULY 2005

REPORT DUE : AUGUST 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff & APCL

SIGNED UNDER PENALTY OF PERJURY

Van Lipsett

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	Daily Maximum	Monthly Average	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	7/05	923	925	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	7/18/05	0.97	0.97	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	7/18/05	186	186	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	7/18/05	224	224	mg/l
Manganese	0.05	0.06	200.7	0.010	9.0E-06	7/7/05	0.125	0.125	mg/l
Boron	0.8	--	200.7	0.010	0.0007	7/7/05	0.752	0.752	mg/l
Iron	0.3	0.4	200.7	0.050	0.0003	7/7/05	0.113	0.113	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	7/7/05	4.71	4.71	--
Percent Sodium	60	65	Calculation	--	--	7/7/05	54.5	54.5	%

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : JULY 2005

REPORT DUE : AUGUST 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY APCL

SIGNED UNDER PENALTY OF PERJURY

Vance Lipsett

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	ML	MDL	Daily Max. Result	
Sample Date								7/7/2005	
Arsenic	ug/l	1100	6400	17000	200.7	10	3.69	<	10.0
Cadmium	ug/l	220	880	2200	200.7	2	0.13	<	2
Chromium	ug/l	440	1800	4400	200.7	2	0.36	<	2
Copper	ug/l	220	2200	6200	200.7	5	0.1		7.02
Lead	ug/l	440	1800	4400	200.7	5	1.6	J	1.9
Mercury	ug/l	8.7	35	88	245.1	1	0.025	J	0.33
Selenium	ug/l	3300	13000	33000	200.7	10	1.2	J	4.8
Silver	ug/l	64	360	960	200.7	2	0.12	J	1.0
Zinc	ug/l	2700	16000	42000	200.7	10	0.32		41.5
Aluminum	ug/l	--	--	--	200.7	50	1.9		137
Barium	ug/l	--	--	--	200.7	10	0.006		50.7

J: Report between ML and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : JULY 2005

REPORT DUE : AUGUST 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Lipet

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
7/1/2005					
2					
3					
4					
5	7.7	1461	4.3	3.6	3.2
6					
7					
8					
9					
10					
11					
12	7.7	1470	2.7	2.4	< 3
13					
14					
15					
16					
17					
18	7.5	1440	5.6	5.3	3.7
19					
20					
21					
22					
23					
24	7.7	1450	2.4	2	4.4
25					
26					
27					
28					
29					
30					
31					
Average	7.7	1455	3.8	3.3	< 3.6
Maximum	7.7	1470	5.6	5.3	4.4
Minimum	7.5	1440	2.4	2.0	< 3.0



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

October 25, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of amended compliance statement of August 2005 Monthly Reports
Submittal of Corrected page 3 of 5 of August 2005 Monthly Reports

Dear Sirs:

As per comment in Notice of violation Order No. R9-2005-0255, Attached are as follow:

1. Amended compliance statement reports of August 2005 Monthly Reports.
2. Page 3 of 5 of August 2005 Monthly Reports revised format to reflect the first 12-month average limits.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script that reads "John Burcham".

John Burcham
HARRF Superintendent

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

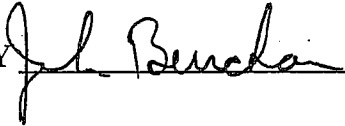
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR AUGUST 2005 REPORT DUE SEPTEMBER 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

Manganese was exceeded daily maximum value of 0.06 mg/l and 12-month average effluent of 0.05 mg/l.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

The City's Water Treatment Plant has performed a two week study using Ferric Sulfate which has low level of manganese in lieu of Ferric Chloride. The results indicated a lower manganese level but not low enough to meet the recycled water permit limit of 0.06 mg/l. Based on the results of this study the Water Treatment Plant and the HAARF will be changing to Ferric Sulfate for use as coagulants in place of Ferric Chloride.

The City is preparing a letter report on the manganese issue for you review and direction.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : AUGUST 2005 REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY Van Viper

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	12-Monthly Average Results	Daily Maximum Results	Units
Total Dissolved Solid	1000	1100	SM2540C	10	.1	8/05	884	905	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	8/15/05	0.93	0.73	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	8/15/05	187	181	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	8/15/05	220	208	mg/l
Manganese	0.05	0.06	200.7	0.010	9.0E-06	8/30/05	0.062	0.075	mg/l
Boron	0.8	--	200.7	0.010	0.0007	8/30/05	0.695	0.581	mg/l
Iron	0.3	0.4	200.7	0.050	0.0003	8/30/05	0.085	0.175	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	8/30/05	52.6	4.12	--
Percent Sodium	60	65	Calculation	--	--	8/30/05	54.1	54.1	%



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

September 28, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of August 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script that reads "John Burcham".

John Burcham
HARRF Superintendent

Attached: August 2005 Monthly Reports

2005 SEP 30 A 11:39
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SELF- MONITORING REPORT

AUGUST 2005

CITY OF ESCONDIDO

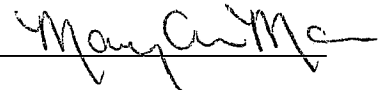
Hale Avenue Resource Recovery Facility

Order No. 93-70

2005 SEP 30 A 11: 39

City of Escondido
Environmental Services
Solid Waste Division

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

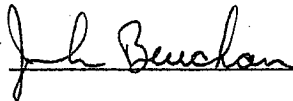
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR AUGUST 2005 REPORT DUE SEPTEMBER 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

One violation occurred in the month of August. Manganese was exceeded daily maximum value of 0.06 mg/l

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

The City's Water Treatment Plant has performed a two week study using Ferric Sulfate which has low level of manganese in lieu of Ferric Chloride. The results indicated a lower manganese level but not low enough to meet the recycled water permit limit of 0.06 mg/l. Based on the results of this study the Water Treatment Plant and the HAARF will be changing to Ferric Sulfate for use as coagulants in place of Ferric Chloride.

The City is preparing a letter report on the manganese issue for you review and direction.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : AUGUST 2005

REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY

Vasun Liput

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
8/1/2005	1.20	4.8	1.2
2	0.37	3.0	1.2
3	0.84	3.3	1.6
4	1.28	3.3	1.6
5	0.17	3.2	1.5
6	*	*	*
7	1.17	2.8	1.5
8	0.75	2.8	1.5
9	1.10	3.1	1.6
10	0.21	3.0	1.5
11	1.12	3.8	1.5
12	0.67	3.3	1.3
13	*	*	*
14	1.31	3.8	1.4
15	1.18	3.3	1.6
16	1.18	4.9	1.4
17	0.85	4.8	1.4
18	0.72	(5.6)	1.3
19	0.42	4.9	1.1
20	*	*	*
21	1.18	3.6	1.0
22	1.05	4.4	1.2
23	0.94	3.3	1.2
24	0.11	3.7	1.5
25	0.35	3.5	1.4
26	0.85	3.4	1.1
27	0.67	3.5	1.1
28	1.20	2.5	1.1
29	0.68	2.9	0.9
30	0.74	3.5	1.1
31	0.41	4.1	0.9
Average	0.81	3.6	1.3
Maximum	1.31	5.6	1.6
Minimum	0.11	2.5	0.9

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : AUGUST 2005

REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vasari Viplay

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Reqd.	23	2
8/1/2005	< 2	< 2
2	< 2	< 2
3	< 2	< 2
4	< 2	< 2
5	< 2	< 2
6	*	*
7	< 2	< 2
8	< 2	< 2
9	< 2	< 2
10	< 2	< 2
11	< 2	< 2
12	< 2	< 2
13	*	*
14	< 2	< 2
15	< 2	< 2
16	< 2	< 2
17	< 2	< 2
18	< 2	< 2
19	< 2	< 2
20	*	*
21	< 2	< 2
22	< 2	< 2
23	< 2	< 2
24	< 2	< 2
25	< 2	< 2
26	< 2	< 2
27	< 2	< 2
28	< 2	< 2
29	< 2	< 2
30	< 2	< 2
31	< 2	< 2
Median	< 2	< 2
Maximum	< 2	< 2
Minimum	< 2	< 2

* No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : AUGUST 2005 REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Vapalant

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	Daily Maximum	Monthly Average	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	8/05	905	856	mg/l
Fluoride	2.0	--	EPA 300.0	0.05	0.008	8/15/05	0.73	0.73	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	8/15/05	181	181	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	8/15/05	208	208	mg/l
Manganese	0.05	0.06	200.7	0.010	9.0E-06	8/30/05	0.075	0.075	mg/l
Boron	0.8	--	200.7	0.010	0.0007	8/30/05	0.581	0.581	mg/l
Iron	0.3	0.4	200.7	0.050	0.0003	8/30/05	0.175	0.175	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	8/30/05	4.12	4.12	--
Percent Sodium	60	65	Calculation	--	--	8/30/05	54.1	54.1	%

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : AUGUST 2005

REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY LAB staff &APCL

SIGNED UNDER PENALTY OF PERJURY

Vasun Upetfyt

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	ML	MDL	Daily Max. Result
Sample Date								8/30/2005
Arsenic	ug/l	1100	6400	17000	200.7	10	3.69	< 10.0
Cadmium	ug/l	220	880	2200	200.7	2	0.13	< 2
Chromium	ug/l	440	1800	4400	200.7	2	0.36	< 2
Copper	ug/l	220	2200	6200	200.7	5	0.1	6.21
Lead	ug/l	440	1800	4400	200.7	5	1.6	< 5
Mercury	ug/l	8.7	35	88	245.1	0.5	0.054	J 0.34
Selenium	ug/l	3300	13000	33000	200.7	10	1.2	< 10.0
Silver	ug/l	64	360	960	200.7	2	0.12	J 0.91
Zinc	ug/l	2700	16000	42000	200.7	10	0.32	51.0
Aluminum	ug/l	--	--	--	200.7	50	1.9	426
Barium	ug/l	--	--	--	200.7	10	0.006	48.3

J: Report between ML and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : AUGUST 2005

REPORT DUE : SEPTEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Upstapf

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
8/1/2005	7.60	1463	2.0	1.7	4.4
2					
3					
4					
5					
6					
7	7.7	1430	2.8	2.8	3.1
8					
9					
10					
11					
12					
13					
14					
15	7.8	1364	1.9	1.9	9.1
16					
17					
18					
19					
20					
21					
22	7.7	1356	2.0	1.8	< 3.0
23					
24					
25					
26					
27					
28					
29	7.7	1378	1.9	1.9	< 3
30					
31					
Average	7.7	1398	2.1	2.0	< 4.5
Maximum	7.8	1463	2.8	2.8	9.1
Minimum	7.6	1356	1.9	1.7	< 3.0



2005 OCT 27 P 1:32

John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

October 25, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of September 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in cursive script that reads "John Burcham".

John Burcham
HARRF Superintendent

Attached: September 2005 Monthly Reports

2005 OCT 27 P 1:32

SELF-MONITORING REPORT

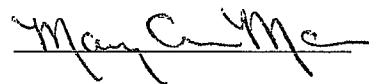
SEPTEMBER 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

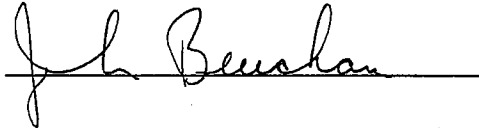
DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR SEPTEMBER 2005 REPORT DUE OCTOBER 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY



Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

Manganese was exceeded daily maximum value of 0.06 mg/l and 12-month average effluent of 0.05 mg/l for the month of September 2005.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

Based on the results of a two week alternative coagulant study, at the water treatment plant, the Water Treatment Plant and the HAARF will be changing to Ferric Sulfate. Once a contract has been awarded for the new coagulant Ferric Chloride, which contained Manganese and other impurities, will no longer be used as a coagulant. It is anticipated that water treatment plant will begin using it on a regular basis by the end of November 2005.

The city has sent a letter of Requested Revision of Manganese, Boron, and Iron Recycled Water Limits for you to review and advice. This letter was date September 30, 2005.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70 REPORT FREQUENCY MONTHLY

REPORT FOR : SEPTEMBER 2005 REPORT DUE : OCTOBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY

Vas Lipity

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
9/1/2005	1.08	4.6	1.5
2	1.03	4.4	1.5
3	0.90	4.1	1.2
4	0.12	3.9	1.0
5	*	*	*
6	1.18	3.9	0.7
7	1.30	3.2	0.8
8	1.07	4.6	1.1
9	0.24	(6.1)	1.0
10	1.17	4.7	1.1
11	0.10	4.0	0.9
12	1.14	5.0	0.8
13	0.24	(5.8)	0.9
14	0.13	3.3	0.9
15	1.26	3.9	1.0
16	0.97	4.4	1.1
17	*	*	*
18	1.16	3.0	1.1
19	*	3.6	1.0
20	1.16	4.0	1.0
21	*	*	*
22	*	*	*
23	1.22	4.4	0.9
24	0.16	(5.3)	0.9
25	*	*	*
26	1.45	3.4	0.9
27	0.26	3.5	0.8
28	0.16	OOC	0.7
29	1.13	2.1	1.1
30	0.13	3.5	1.5
Average	0.78	4.1	1.0
Maximum	1.45	6.1	1.5
Minimum	0.10	2.1	0.7

* :No distribution

OOC= out of commission

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : SEPTEMBER 2005

REPORT DUE : OCTOBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Viper

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Regt.	23	2.2
9/1/2005	< 2	< 2
2	< 2	< 2
3	< 2	< 2
4	< 2	< 2
5	*	*
6	< 2	< 2
7	< 2	< 2
8	< 2	< 2
9	2	2
10	< 2	< 2
11	< 2	< 2
12	2	2
13	< 2	< 2
14	2	2
15	< 2	< 2
16	< 2	< 2
17	*	*
18	< 2	< 2
19	< 2	< 2
20	< 2	< 2
21	*	*
22	*	*
23	< 2	< 2
24	2	2
25	*	*
26	< 2	< 2
27	< 2	< 2
28	2	2
29	< 2	< 2
30	< 2	< 2
Median	< 2	< 2
Maximum	2	2
Minimum	< 2	< 2

* No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : SEPTEMBER 2005 REPORT DUE : OCTOBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY Vas Vitya

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	12-Month Average Results	Daily Maximum Results	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	9/05	886	944	mg/l
Fluoride	2.0	--	EPA 300.0	0.1	0.006	9/12/05	0.93	1.02	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	9/12/05	188	197	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	9/12/05	222	234	mg/l
Manganese	0.05	0.06	200.7	0.01	1.0E-06	9/1/05	0.066	0.075	mg/l
Boron	0.8	--	200.7	0.01	0.00074	9/1/05	0.693	0.738	mg/l
Iron	0.3	0.4	200.7	0.50	0.0003	9/1/05	0.086	0.059	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	9/1/05	4.64	4.64	--
Percent Sodium	60	65	Calculation	--	--	9/1/05	52.7	55.7	%

Note: J = value between ML & MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : SEPTEMBER 2005 REPORT DUE : OCTOBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff &APCL

SIGNED UNDER PENALTY OF PERJURY

Vaa Viplert

The following constituents are monitored pursuant to NPDES No. CA0107981

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	ML	MDL	Daily Max. Result	
								9/1&6/05	
Arsenic	ug/l	1200	6900	18000	200.7	10	3.69	<	10.0
Cadmium	ug/l	240	950	2400	200.7	2	0.126	<	2
Chromium	ug/l	480	1900	4800	200.7	2	0.364	<	2
Copper	ug/l	240	2300	6700	200.7	5	0.138		5.15
Lead	ug/l	480	1900	4800	200.7	5	1.62	<	5
Mercury	ug/l	9.4	38	95	245.1	0.5	0.034	J	0.14
Selenium	ug/l	3600	14000	36000	200.7	10	1.2	<	10
Silver	ug/l	130	630	1600	200.7	2	0.116	J	0.86
Zinc	ug/l	2900	17000	46000	200.7	10	0.315		36.2
Aluminum	ug/l	--	--	--	200.7	50	1.85		119
Barium	ug/l	--	--	--	200.7	10	0.006		44.8

J: Report between ML and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : SEPTEMBER 2005

REPORT DUE : OCTOBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vaseen Viperlypt

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	--	1	1	3
9/1/2005					
2					
3					
4					
5					
6	7.7	1470	1.7	1.5	< 3.0
7					
8					
9					
10					
11					
12	7.7	1445	1.9	1.7	4.8
13					
14					
15					
16					
17					
18	7.6	1406	2.8	2.5	3.0
19					
20					
21					
22					
23					
24					
25					
26	7.6	1340	2.3	2.0	< 3.0
27					
28					
29					
30					
Average	7.7	1415	2.2	1.9	< 3.5
Maximum	7.7	1470	2.8	2.5	4.8
Minimum	7.6	1340	1.7	1.5	< 3.0



John Burcham
HARRF Superintendent
1521 South Hale Avenue, Escondido, CA 92029
Phone: 760-839-6273 Fax: 760-738-5168

November 21, 2005

Mr. John Robertus
Executive Officer
California Regional Water Quality Control Board
San Diego Region
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340
Attn: POTW Compliance Unit

Subject: Submittal of October 2005 Monthly Reports

Dear Sirs:

Attached are the subject Discharge Monitoring Reports for the Hale Avenue Resource Recovery Facility (HARRF) as required by Order No. 93-70.

If you have any questions, contact me at (760) 839-6273.

Sincerely,

A handwritten signature in dark ink, appearing to read "John Burcham". The signature is fluid and cursive, with the first name "John" and last name "Burcham" clearly distinguishable.

John Burcham
HARRF Superintendent

Attached: October 2005 Monthly Reports

2005 NOV 22 P 2:16
CITY OF ESCONDIDO
CLERK OF THE CITY

SELF- MONITORING REPORT

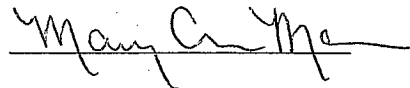
OCTOBER 2005

CITY OF ESCONDIDO

Hale Avenue Resource Recovery Facility

Order No. 93-70

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in cursive script, appearing to read "Mary Ann Mann", written over a horizontal line.

Mary Ann Mann
Utilities Manager

SELF- MONITORING REPORT REVIEW

To: CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

DISCHARGER City of Escondido, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION NO. 93-70

REPORT FOR OCTOBER 2005 REPORT DUE NOVEMBER 2005

REPORT FREQUENCY MONTHLY

SIGNED UNDER PENALTY OF PERJURY 

Our Review of the Attached Self-Monitoring Report Reveals the Following Monitoring Violation(s):

Manganese was exceeded daily maximum value of 0.06 mg/l and 12-month average effluent of 0.05 mg/l for the month of October 2005.

The Following Remedial Action will be (has been) Taken to Correct the Monitoring Violation Listed Above:

As stated in the compliance report for September, the Water Treatment Plant and the HAARF will be changing to Ferric Sulfate as coagulants in place of Ferric Chloride. A contract for the new treatment chemical is being processed and it is anticipated that water treatment plant can begin using it on a regular basis by the end of November 2005. The city has sent the Board a letter date September 25, 2005 to request revision of Manganese, Boron, and Iron Recycled Water Limits for review and comment.

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : OCTOBER 2005

REPORT DUE : NOVEMBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE TYPE: Continuous recording Flow meter and Turbidity Meter

SIGNED UNDER PENALTY OF PERJURY Vase Vignat

Date	Flow	Turbidity	Turbidity
Units	MGD	NTU	NTU
Reqt.		Influent Aveage	Effluent Aveage
10/1/2005	1.38	4.0	0.8
2	0.35	3.9	0.8
3	*	*	*
4	1.41	3.1	1.1
5	0.26	3.5	0.9
6	*	*	*
7	1.12	3.7	0.9
8	0.76	3.9	1.2
9	*	*	*
10	1.38	4.6	1.2
11	*	*	*
12	0.72	5.0	1.1
13	1.34	(5.7)	1.0
14	0.15	4.0	0.8
15	1.20	(6.9)	1.3
16	1.16	3.8	1.2
17	0.67	(7.2)	1.3
18	0.98	3.7	1.0
19	0.63	4.7	0.8
20	0.59	(9.4)	1.0
21	1.07	(6.2)	0.9
22	0.21	3.2	0.8
23	0.35	3.8	0.6
24	0.36	2.2	1.0
25	0.55	2.9	0.8
26	0.95	4.0	0.9
27	1.02	5.0	0.8
28	2.70	(5.3)	0.8
29	1.36	(5.5)	1.0
30	2.51	(6.0)	0.9
31	1.92	4.1	0.9
Average	1.00	4.6	1.0
Maximum	2.70	9.4	1.3
Minimum	0.15	2.2	0.6

* :No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : OCTOBER 2005

REPORT DUE : NOVEMBER 2005

EXACT SAMPLE POINT: Effluent end of UV infection Channel

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Vase Cipriano

TOTAL COLIFORMS		
DATE	Daily Maximum	7 day Median
Units	mpn/100ml	mpn/100ml
Reqd.	23	2
10/1/2005	< 2	< 2
2	< 2	< 2
3	*	*
4	< 2	< 2
5	< 2	< 2
6	*	*
7	< 2	< 2
8	< 2	< 2
9	< *	< *
10	< 2	< 2
11	*	*
12	< 2	< 2
13	< 2	< 2
14	< 2	< 2
15	< 2	< 2
16	< 2	< 2
17	< 2	< 2
18	< 2	< 2
19	< 2	< 2
20	< 2	< 2
21	< 2	< 2
22	< 2	< 2
23	< 2	< 2
24	< 2	< 2
25	< 2	< 2
26	< 2	< 2
27	< 2	< 2
28	< 2	< 2
29	< 2	< 2
30	< 2	< 2
31	< 2	< 2
Median	< 2	< 2
Maximum	< 2	< 2
Minimum	< 2	< 2

* No distribution

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : OCTOBER 2005 REPORT DUE : NOVEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY Varan W. [Signature]

Constituent/ Property	12-month Average Limit	Daily Maximum Limit	Method	ML/ PQL	MDL	Sample Date	12-Month Average Results	Daily Maximum Results	Units
Total Dissolved Solid	1000	1100	SM2540C	10	1	10/05	886	944	mg/l
Fluoride	2.0	--	EPA 300.0	0.1	0.006	10/10/05	0.93	1.02	mg/l
Chloride	300	330	EPA 300.0	0.5	0.08	10/10/05	189	197	mg/l
Sulfate	350	400	EPA 300.0	1	0.1	10/10/05	221	234	mg/l
Manganese	0.05	0.06	200.7	0.01	1.0E-06	10/2/05	0.073	0.075	mg/l
Boron	0.8	--	200.7	0.01	0.00074	10/2/05	0.688	0.738	mg/l
Iron	0.3	0.4	200.7	0.50	0.0003	10/2/05	0.086	0.059	mg/l
Adjusted Sodium Absorption Ratio	--	--	Calculation	--	--	10/2/05	4.06	4.35	--
Percent Sodium	60	65	Calculation	--	--	10/2/05	53.2	55.7	%

Note: J = value between ML & MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FOR : OCTOBER 2005

REPORT DUE : NOVEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff &APCL

SIGNED UNDER PENALTY OF PERJURY

Vane Upstent

The following constituents are monitored pursuant to NPDES No. CA0107981

Constituent/ Property	Units	6-Month Median	Daily Maximum	Instantaneous Maximum	Method	ML	MDL	Daily Max. Result	
								10/2/2005	
Arsenic	ug/l	1200	6900	18000	200.7	10	3.69	<	10.0
Cadmium	ug/l	240	950	2400	200.7	2	0.126	<	2
Chromium	ug/l	480	1900	4800	200.7	2	0.364	<	2
Copper	ug/l	240	2300	6700	200.7	5	0.138		9.16
Lead	ug/l	480	1900	4800	200.7	5	1.62	<	5
Mercury	ug/l	9.4	38	95	245.1	0.5	0.034	J	0.2
Selenium	ug/l	3600	14000	36000	200.7	10	1.2	<	10
Silver	ug/l	130	630	1600	200.7	2	0.116	J	0.546
Zinc	ug/l	2900	17000	46000	200.7	10	0.315		60.0
Aluminum	ug/l	--	--	--	200.7	50	1.85		95.4
Barium	ug/l	--	--	--	200.7	10	0.006		45.7

J: Report between ML and MDL

MONTHLY WATER RECLAMATION MONITORING REPORT

DISCHARGER CITY OF ESCONDIDO, Hale Avenue Resource Recovery Facility

ORDER/RESOLUTION No. 93-70

REPORT FREQUENCY MONTHLY

REPORT FOR : OCTOBER 2005

REPORT DUE : NOVEMBER 2005

EXACT SAMPLE POINT: Recycle pump station

SAMPLE COLLECTED BY Operation Staff SAMPLED ANALYZED BY Lab Staff

SIGNED UNDER PENALTY OF PERJURY

Van Aipt

	pH	Conductivity	TSS	VSS	BOD
Units	mg/l	mmho/cm	mg/l	mg/l	mg/l
Method	SM 4500 H-B	SM2510B	SM2540D	SM 2540	SM 5210B
ML	--	---	1	1	3
10/1/2005					
2					
3					
4	7.6	1389	2.2	2.1	< 3.0
5					
6					
7					
8					
9					
10	7.6	1374	2.9	2.6	< 3.0
11					
12					
13					
14					
15					
16	7.6	1344	2.3	1.9	< 3.0
17					
18					
19					
20					
21					
22					
23					
24					
25					
26	7.5	1373	2.8	2.5	< 3.0
27					
28					
29					
30	7.5	1412	2.0	1.8	< 3.0
31					
Average	7.6	1378	2.4	2.2	< 3.0
Maximum	7.6	1412	2.9	2.6	< 3.0
Minimum	7.5	1344	2.0	1.8	< 3.0